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(54) Title: TREATMENT OR PREVENTION OF DAMAGE DUE TO RADIATION EXPOSURE

(57) Abstract: A method of treatment or prevention of damage due to ionizing radiation exposure involves administering to a subject in need of such treatment an effective amount of a composition containing 1) a compound including a radiation damage-inhibiting polypeptide containing amino acid sequence LKKTET (such as Thymosin β 4), a conservative variant of LKKTET, an actin-sequestering agent, an anti-inflammatory agent; 2) an agent which stimulates production of the compound in the subject; 3) an agent which regulates the compound in the subject; or 4) an antagonist of the compound, so as to inhibit radiation damage in the subject.

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